—Standard Valves—

4056-A AND 4056-B VALVES

TRIODES.

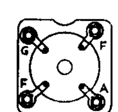
SPECIFICATION.

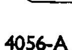
Cathode.

Thoriated Tungsten filament.
Constant voltage type.

Base.

4056-A Special 4-pin low loss.
4056-B Large 4-pin bayonet.

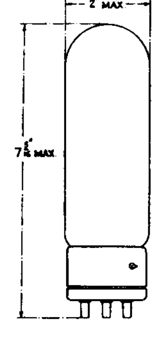




4056-A

Dimensions.

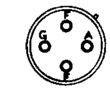
	4056-A.	4056-B.
Max. overall length	$7\frac{1}{16}''$ (17·9 cms.)	$7\frac{5}{16}''$ (18·5 cms.)
Max. diameter	2″ (5·1 cms.)	2″ (5·1 cms.)
Net weight	0·57lb. (260 gms.)	0·46lbs. (210 gms.)



Constants.

Filament voltage	6 volts
Nominal filament current	1·9 amps.
*Impedance	5,500 ohms
*Amplification factor	12
*Mutual conductance	2·2 mA per volt
Grid–anode capacity	8·4 μμF.
Anode–filament capacity	4·8 μμF.
Grid–filament capacity	5·0 μμF.

* *at* Vp = 500 Vg = 0 *volts.*



4056-B

LIMITING CONDITIONS FOR SAFE OPERATION.

Maximum direct anode voltage	1,000 volts
Maximum direct anode current	100 mA
Maximum anode dissipation	35 watts
Maximum direct grid current	0·030 amps.
Maximum frequency for above ratings	15 Mc.
Maximum anode voltage for frequency of 30 Mc.	800 volts

V.4056-AB.1
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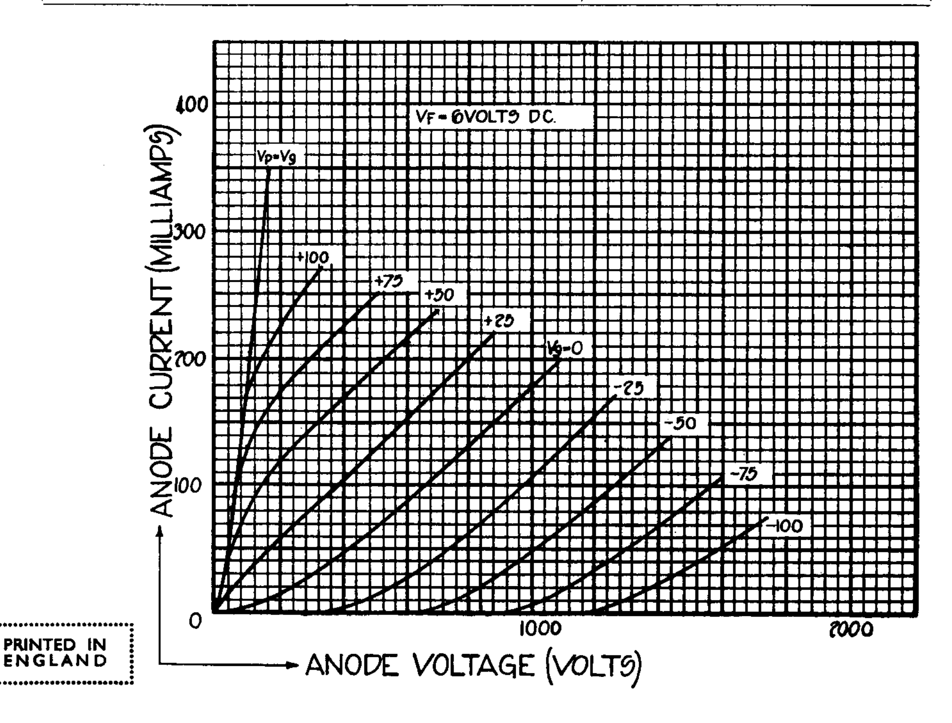
—Standard Valves—

TYPICAL OPERATING CONDITIONS.

	Class B A.F. Amp. and Mod. For balanced 2 valve circuits
Direct anode voltage	1,000 volts
Grid bias	—70 volts (approx.)
Anode current per valve—zero signal	0·013 amps.
Anode current per valve—maximum signal	0·067 amps.
Anode dissipation	30 watts
Load resistance—anode to anode	13,000 ohms
Maximum output—2 valves	73 watts

RADIO FREQUENCY OPERATION.

	Class B Telephony	Class C Telephony	Class C Telegraphy
	Modulated Carrier applied to grid	Subject to anode modulation	Unmodulated
Direct anode voltage	1,000	750	1,000 volts
Direct anode current	0·053	0·070	0·078 amps.
Grid bias	—80	—130	—180 to —250 volts
Anode dissipation	35	17·5	26 watts
Carrier output	17·5	35	52 watts



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